

## Articles de revues à comité de lecture

- [1] Zhu, Q., Duan, Y., & Sarkis, J. (2024). Supply chain carbon transparency to consumers via blockchain: Does the truth hurt? *The International Journal of Logistics Management*, 35(3), 833-864. <https://doi.org/10.1108/IJLM-03-2023-0109>
- [2] Tian, X., & Sarkis, J. (2024). Towards greener trade and global supply chain environmental accounting: An embodied environmental resources blockchain design. *International Journal of Production Research*, 62(8), 2705-2724. <https://doi.org/10.1080/00207543.2023.2232890>
- [3] Jimenez-Castillo, L., Sarkis, J., Saberi, S., & Yao, T. (2024). Blockchain-based governance implications for ecologically sustainable supply chain management. *Journal of Enterprise Information Management*, 37(1), 76-99. <https://doi.org/10.1108/JEIM-02-2022-0055>
- [4] Chen, Y., Zhu, Q., & Sarkis, J. (2024). Heterogeneity in corporate green supply chain practice adoption: Insights from institutional fields. *Business Strategy and the Environment*, 33(2), 389-406. <https://doi.org/10.1002/bse.3499>
- [5] Bai, C., Zhu, Q., & Sarkis, J. (2024). Circular economy and circularity supplier selection: A fuzzy group decision approach. *International Journal of Production Research*, 62(7), 2307-2330. <https://doi.org/10.1080/00207543.2022.2037779>
- [6] Adouani, Y., Masmoudi, M., Jarray, F., & Jarboui, B. (2024). Iterative integer linear programming-based heuristic for solving the multiple-choice knapsack problem with setups. *Expert Systems with Applications*, 242, 122835.
- [7] Arousse, A., Ben Aouicha, A., Cheikh, M., & Jarboui, B. (2024). Skewed general variable neighborhood search to solve the multi-compartment vehicle routing problem. *Yugoslav Journal of Operations Research*.
- [8] Bai, C., Sarkis, J., & Ibrahim, S. (2024). An analytical method for investigating multi-tier sustainable supply chains: simplifying the complex. *International Journal of Production Research*, 62(4), 1318-1335.
- [9] Dunbar, K., Sarkis, J., & Treku, D. N. (2024). FinTech for environmental sustainability: Promises and pitfalls. *One Earth*, 7(1), 23-30.
- [10] Fang, F., Parida, S., & Sarkis, J. (2024). Private financing and the circular economy. *Resources, Conservation & Recycling*, 205, 107581.
- [11] Jarboui, B., & Eddaly, M. (2024). A branch-and-bound approach to the no-idle flowshop scheduling problem. *Discrete Applied Mathematics*, 347, 297-310.
- [12] Aloullal, A., Saldanha-da-Gama, F., & Todosijević, R. (2023). Multi-period single-allocation hub location-routing: Models and heuristic solutions. *European Journal of Operational Research*, 310(1), 53-70.
- [13] Bai, C., & Sarkis, J. (2023). Guest Editorial: Technology for Social Good. *IEEE Transactions on Engineering Management*, 70(3), 1114-1123.

- [14] Bai, C., Zhou, H., & Sarkis, J. (2023). Evaluating Industry 4.0 Technology and Sustainable Development Goals—A Social Perspective. *International Journal of Production Research*, 61(23), 8094-8114.
- [15] Batista, L., Seuring, S., Genovese, A., Sarkis, J., & Sohal, A. (2023). Theorizing circular economy and sustainable operations and supply chain management: A sustainability-dominant logic. *International Journal of Operations & Production Management*, 43(4), 581-594.
- [16] Chen, Y., Zhu, Q., & Sarkis, J. (2023). Green supply chain management practice adoption sequence: A cumulative capability perspective. *International Journal of Production Research*, 61(17), 5918-5933.
- [17] Chen, Z., Yildizbasi, A., & Sarkis, J. (2023). How safe is the circular economy? *Resources, Conservation & Recycling*, 188, 106649. <https://doi.org/10.1016/j.resconrec.2022.106649>
- [18] Chen, Z., Yildizbasi, A., Wang, Y., & Sarkis, J. (2023). Safety in lithium-ion battery circularity activities: A framework and evaluation methodology. *Resources, Conservation and Recycling*, 193, 106962.
- [19] Dewick, P., & Sarkis, J. (2023). The Circular Economy's Role in Biodiversity Protection. *Amplify*, 36(3), 24-31.
- [20] Drissi Bouzidi, A., Ait El Cadi, A., Pellerin, R., Lamouri, S., & Tobon-Valencia, E., & Bélanger, M. J. (2023). The Role of AI in Warehouse Digital Twins: Literature Review. *Applied Sciences*, 13(11). <https://doi.org/10.3390/app13116746>
- [21] Geng, Y., Sarkis, J., & Bleischwitz, R. (2023). How to build a circular economy for rare-earth elements. *Nature*, 619(7969), 248-251.
- [22] Grimm, J., Hofstetter, J., & Sarkis, J. (2023). Corporate sustainability standards in multi-tier supply chains – An institutional entrepreneurship perspective. *International Journal of Production Research*, 61(14), 4702-4724.
- [23] Kouhizadeh, M., Zhu, Q., & Sarkis, J. (2023). Circular economy performance measurements and blockchain technology: An examination of relationships. *The International Journal of Logistics Management*, 34(3), 720-743.
- [24] Li, M., Geng, Y., Zhou, S., & Sarkis, J. (2023). Clean Energy Transitions and Health. *Heliyon*, 9, e21250.
- [25] Nandi, S., Hervani, A. A., Helms, M. M., & Sarkis, J. (2023). Conceptualizing Circular economy performance with non-traditional valuation methods: Lessons for a post-Pandemic recovery. *International Journal of Logistics Research and Applications*, 26(6), 662-682.
- [26] Quayson, M., Bai, C., Sun, L., & Sarkis, J. (2023). Building blockchain-driven dynamic capabilities for developing circular supply chain: Rethinking the role of sensing, seizing, and reconfiguring. *Business Strategy and the Environment*, 32(7), 4821-4840.

- [27] Ristić, D., Mladenović, N., Ratli, M., & Todosijević, R. (2023). Auxiliary data structures and techniques to speed up solving of the p-next center problem: A VNS heuristic. *Applied Soft Computing*, 140, 110276.
- [28] Ristic, D., Urošević, D., Mladenović, N., & Todosijević, R. (2023). Solving the p-second center problem with variable neighborhood search. *Computer Science and Information Systems*.
- [29] Tian, X., & Sarkis, J. (2023). AI could transform metal recycling globally. *Nature*, 625(7994), 241-241.
- [30] Chen, Z., Yildizbasi, A., Wang, Y., & Sarkis, J. (2022). Safety Concerns for the Management of End-of-Life Lithium-Ion Batteries. *Global Challenges*, 6(12), 2200049.
- [31] Dewick, P., de Mello, A. M., Sarkis, J., & Donkor, F. K. (2022). The puzzle of the informal economy and the circular economy. *Resources, Conservation and Recycling*, 187, 106602.
- [32] Sarkis, J., Dewick, P., Cohen, M. J., Hofstetter, J. S., & Schröder, P. (2022). Coordinating Circular & Degrowth Systems for Strong Sustainability. by Andrew J. Hoffman and Nicholas Poggioli, Guest Editors, 12.
- [33] Bekrar, A., Ait El Cadi, A., Todosijevic, R., & Sarkis, J. (2021). Digitalizing the closing-of-the-loop for supply chains: A transportation and blockchain perspective. *Sustainability*, 13(5), 2895.

## **Livres**

- [1] Vazquez-Brust, D., Bekrar, A., Sarkis, J., & Ait El Cadi, A. (Eds.). (in press). *Emergent Logistics Technology & Effective Circular Economy*. Springer.
- [2] Jarboui, B., Toumi, S., & Siarry, P. (Eds.). (in press). *Circular Economy Supply Chains: Optimizing via Data Science*. Springer.
- [3] Jarboui, B., Toumi, S., & Siarry, P. (Eds.). (in press). *Data-Driven Waste Revolution*. Springer.
- [4] Ometto, A. R., Sarkis, J., & Evans, S. (2024). *A Systemic Transition to Circular Economy: Business and Technology Perspectives*. Springer International Publishing.

## **Chapitres de livres**

- [1] Sarkis, J. (2023). The circular economy and green supply chains. In R. Merkert & K. Hoberg (Eds.), *Global Logistics and Supply Chain Strategies for the 2020s* (pp. 83-100). Springer, Cham.
- [2] Sarkis, J., & Hofstetter, J. S. (2023). Corporate sustainable supply chain management: From freestyle to compulsory. In A. Goerzen (Ed.), *Research Handbook on International Corporate Social Responsibility* (pp. 443-461). Edward Elgar Publishing.
- [3] Kouhizadeh, M., Zhu, Q., & Sarkis, J. (2024, May). *Circular Economy Performance Evaluation with Blockchain Technology*.

- [4] Helms, M., Hervani, A., Nandi, S., & Sarkis, J. (2024, May). A Multi-stakeholder Digital Ecosystem Perspective for Sustainability and Resilience of Supply Chains.
- [5] Zaidi, M., Amirat, A., Jarboui, B., & Yahyaoui, A. (2024). A Hybrid Meta-Heuristic to Solve Flexible Job Shop Scheduling Problem. In *Advances in Computational Logistics and Supply Chain Analytics* (pp. 75-98).

### **Numéros spéciaux de revues**

- [1] Sarkis, J., Ait El Cadi, A., Bai, C. A., & Bekrar, A. (2023). Special issue for the *Journal of Cleaner Production: Transportation Logistics and Emergent Technology within the Circular Economy*. In progress.
- [2] Sarkis, J., Bai, C. A., Culot, G., & Orzes, G. (2023). Special issue for the *Journal of Purchasing and Supply Management: Digitalization for Sustainable Purchasing and Supply Chain Management*.

### **Keynote speaker**

- [1] Sarkis, J. (2024, June 4-7). Circular Economy and Digitization: Theory, Opportunities, and Challenges. EDSI (European Decision Sciences Institute) Conference, Nantes, France.
- [2] Sarkis, J. (2024, June 22-23). The Circular Economy MAY help build resilience and sustainability. But it won't be easy. 2nd International Symposium on Industrial Engineering and Automation, Bolzano, Italy.
- [3] Sarkis, J. (2023, June 6). Circular Economy and Digitization: Theory, Opportunities and Challenges. European Decision Sciences Institute.

### **Présentations et communications de conférences**

- [1] Chen, Z., Yildizbasi, A., & Sarkis, J. (2023, November 18-20). A Blockchain Ecosystem for Safer Circular Lithium-ion Battery Supply Chains: A Performance-based Theoretical Perspective. DSI Annual Conference, Atlanta, GA, USA.
- [2] Chen, Z., Yildizbasi, A., & Sarkis, J. (2023, November 18-20). Blockchain-Based Safety Passport: Mitigating Safety Concerns in the Lithium-Ion Battery Circular Supply Chain. DSI Annual Conference, Atlanta, GA, USA.
- [3] Yildizbasi, A., Kouhizadeh, M., Zhu, Q., & Sarkis, J. (2023, November 18-20). Product Portfolio Rationalization for Supply Chain Circularity and Risk Mitigation. DSI Annual Conference, Atlanta, GA, USA.
- [4] Drissi Bouzidi, A., Ait El Cadi, A., Pellerin, R., Lamouri, S., & Boubaker, S. (2023, June). Cadre de modélisation des jumeaux numériques pour un entrepôt manuel. CIGI QUALITA MOSIM 2023, Québec, Canada.
- [5] Drissi Bouzidi, A., Pellerin, R., Ait El Cadi, A., Lamouri, S., & Boubaker, S. (2023). Digital Twin Modeling Framework for Manual Warehouses. IEEE International Conference

on Systems, Man, and Cybernetics (SMC), Honolulu, Oahu, HI, USA, pp. 3528-3533.  
<https://doi.org/10.1109/SMC53992.2023.10393966>.

- [6] Bouazza W, Ait El Cadi A, Bekrar A, Rivenq A, 2022, Environmental impacts of the Collaborative Intelligent Transport Systems (C-ITS): survey and research directions, GIN2022, Cambrai - Valenciennes, France
- [7] Chargui T, Bekrar A, Trentesaux D, 2022, Physical Internet containers routing in a multi-modal rail-road cross-docking hub, GIN2022, Cambrai - Valenciennes, France
- [8] Chargui T, Idel Mahjoub Y, Bekrar A, Trentesaux D, 2022, Physical Internet and blockchain application on a cross-docking hub network: Research perspective, GIN2022, Cambrai - Valenciennes, France
- [9] Douimia S, Ait El Cadi A, Lafosse-Marin S, 2022, Current Development and Potential Applications of Blockchain Technology in Supply Chain — A Systematic Literature Review, GIN2022, Cambrai - Valenciennes, France
- [10] Mufida MK, Ait El Cadi A, Delot T, Trépanier M, 2022, Circular economy strategy for sustainable parking management, GIN2022, Cambrai - Valenciennes, France
- [11] Nguyen TTH, Bekrar A, Thi-Muoi Le, Abed M, 2022, How to drive coffee supply chain toward sustainability: a case study in Vietnam, GIN2022, Cambrai - Valenciennes, France
- [12] Nguyen TTH, Bekrar A, Thi-Muoi Le, Abed M, 2022, Impact of demand forecasting on performance of sustainable coffee supply chain in Vietnam, GIN2022, Cambrai - Valenciennes, France
- [13] Nouriri M, Bekrar A, Trentesaux D, 2022, An effective Multi agent model for the Multi Plant Multi Product Inventory control Problem in Physical Internet Supply Chain Network, GIN2022, Cambrai - Valenciennes, France
- [14] Ouertani N, Ait El Cadi A, Duvivier D, 2022, Bi-objective Approach for Sustainable Reverse Routing Problem, GIN2022, Cambrai - Valenciennes, France

### **Webinaires – Podcasts - Blog**

- [1] Sarkis, J., & Dewick, P. (2023, December 15). Investment Opportunities for a Sustainable & Circular Economy. Amplify Discussion Forum on Circular Economy – AD Little Cutter. (3:00 pm CET).
- [2] Sarkis, J. (2024, March 29). Circularity and Zero Waste: Transdisciplinary Perspectives. Webinar. (2:00 pm-3:30 pm CET).
- [3] Sarkis, J. (2024, March). Sustainability Leader Podcast – Sustainable Supply Chains. (Recorded).
- [4] Resources Conservation and Recycling Webinar, “Mitigating Safety Concerns as a Barrier to Circular Practices” – June 15, 2023
- [5] Sarkis, J., & Dewick, P. (2023). Harmonious or Harmful? The Circular Economy and Biodiversity. Future Earth Blog.

## **Numéros spéciaux du magazine professionnel**

- [1] Sarkis, J., & Dewick, P. (2023). Investment Opportunities for a Sustainable & Circular Economy. Amplify – Cutter. <https://www.cutter.com/journal/investment-opportunities-sustainable-circular-economy>